



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 101767,260  
Source: IFWO  
Date Processed by STIC: 2/9/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/767,260

DATE: 02/09/2004

TIME: 11:00:11

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\02062004\J767260.raw

3 &lt;110&gt; APPLICANT: MARINE BIOTECHNOLOGY INSTITUTE CO., LTD.

5 &lt;120&gt; TITLE OF INVENTION: NOVEL CHEMICAL SUBSTANCE HAVING MORPHOGENETIC AND GROWTH-ACCELERATING

6 ACTIVITIES

8 &lt;130&gt; FILE REFERENCE: PH-1841-PCT

C--&gt; 10 &lt;140&gt; CURRENT APPLICATION NUMBER: US/10/767,260

C--&gt; 10 &lt;141&gt; CURRENT FILING DATE: 2004-01-30

10 &lt;150&gt; PRIOR APPLICATION NUMBER: JP2002/203608

W--&gt; 11 &lt;151&gt; PRIOR FILING DATE: 2002-7-12

13 &lt;160&gt; NUMBER OF SEQ ID NOS: 4

15 &lt;170&gt; SOFTWARE: PatentIn Ver. 2.1

## ERRORED SEQUENCES

66 &lt;210&gt; SEQ ID NO: 4

67 &lt;211&gt; LENGTH: 1173

68 &lt;212&gt; TYPE: DNA

69 &lt;213&gt; ORGANISM: Unknown

W--&gt; 71 &lt;220&gt; FEATURE:

W--&gt; 71 &lt;223&gt; OTHER INFORMATION:

W--&gt; 71 &lt;400&gt; 4

C--> 72 gtatccggtg gtttgcacgg ggtaggtggt tcttgtgtga acgccctttc caatcatctt 60  
 73 aaagctaccg tacatagaga tgggaaagt tgggaacagg aatatgaacg gggtaaatacc 120  
 74 ctttatcccg taaaaagtgt tggggagacc gatgaaactg gaaccattgt taccttcata 180  
 75 ccagatgatt caatctttac ccaaacaaca gagtatagtt atgagaccct tgccaacaga 240  
 76 atgctgtgagc tttcgttctt gaacaaagg gttaccatta gcattacgga caaaagagta 300  
 77 aaggataaag aaggggagta cttttctgaa actttttatt ccgatgctgg actaagtga 360  
 78 tttgttaagt tcttggtatg taccctgtaa cttttgatc aaggggttat cgcgatggaa 420  
 79 ggggagaaaa atggtatccc tgtggaagt gcaatggtt acaacaccag ttacacggag 480  
 80 aatttacatt cctatgtgaa taacattaac acgcacgaag ggggtacgca tctttccggt 540  
 81 tttagaagg gattgacctc tactttaaag aaatacgag attcttctg aatgctcgag 600  
 82 aaattgaagt ttgaggttca gggagatgat ttccgtgaag gacttacagc aattgtttcc 660  
 83 gtttaaggtcg cagaacctca atttgaagg cagacgaaaa ccaagcttgg aaaccgag 720  
 84 gtttcttctg cggtgagcca agctgtttct gaaatgctca cggattattt ggaggagcat 780  
 85 ccagatgatg ccaaggttat tgttcaaaaa gttatccttg ccgctcaggc cagacatgcc 840  
 86 gctacaaagg cccgtgaaat ggtacagcgt aagacggtta tgagtattgg tgggctacct 900  
 87 ggaaaattgt ccgattgttc tgagcaagat cctgcgcaat gtgaagtatt tctttagtag 960  
 88 ggagattctg caggtggtac ggcaaaaatg ggccgggacc gaaaatttca ggccattctt 1020  
 89 ccactaagg gtaaaatctt gaacgtggaa aaagccatgc agcacaaggt ttttgaaaat 1080  
 90 gaggaataa agaataattt tacggcccta ggggttacta ttggaacgga agaagatagt 1140  
 91 aagcccttga acctggaaaa attaatgat cat 1173

E--&gt; 94 (1/4)

delete

Does Not Comply  
Corrected Diskette Needed

Mandatory, please  
insert section 42207-  
42237 if 42137 is  
Response is  
Artificial  
Unknown

Please  
see  
error  
explanation  
on page  
2.

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/767,260

DATE: 02/09/2004  
TIME: 11:00:12

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\02062004\J767260.raw

Use of <220> Feature (NEW RULES): *Error Explanation:*  
Sequence(s) are missing the <220> Feature and associated headings.  
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"  
or "Unknown". Please explain source of genetic material in <220> to <223>  
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)  
(Sec.1.823 of new Rules)

Seq#:2,4

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/767,260

DATE: 02/09/2004

TIME: 11:00:12

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\02062004\J767260.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:11 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:23 M:112 C: (48) String data converted to lower case,  
M:112 Repeated in SeqNo=1  
L:33 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>  
ORGANISM:Unknown  
L:33 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>  
ORGANISM:Unknown  
L:33 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:33  
L:34 M:112 C: (48) String data converted to lower case,  
M:112 Repeated in SeqNo=2  
L:45 M:112 C: (48) String data converted to lower case,  
M:112 Repeated in SeqNo=3  
L:71 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:4, <213>  
ORGANISM:Unknown  
L:71 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213>  
ORGANISM:Unknown  
L:71 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:71  
L:72 M:112 C: (48) String data converted to lower case,  
M:112 Repeated in SeqNo=4  
L:94 M:254 E: No. of Bases conflict, LENGTH:Input:4 Counted:1174 SEQ:4 ✓  
L:94 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2 ✓  
L:94 M:252 E: No. of Seq. differs, <211> LENGTH:Input:1173 Found:1174 SEQ:4 ✓

10/767,260

<210> 2

<211> 189

<212> DNA

<213> Unknown

<220>

<223>

<400> 2

← insert, same error

Please see error  
explanation on page

2.